

b2
an alkaline electrolyte.

b3
35. (Amended) A primary alkaline battery, comprising:
a cathode comprising a cathode active material, a binder, and carbon fibers;
an anode;
a separator; and
an alkaline electrolyte,
wherein the cathode comprises greater than about 86% of the cathode active material by weight.

(Please add the following new claims.)

b4
37. The battery of claim 1, wherein the binder comprises a material selected from the group consisting of polyethylene, polyacrylamide, polytetrafluoroethylene, and polyvinylidene fluoride.

38. The battery of claim 1, wherein the cathode comprises between 0.1% to about 1% by weight of the binder.

39. A primary alkaline battery, comprising:
a cathode comprising a cathode active material and less than about 5% of carbon by weight, the carbon comprising carbon fibers;
an anode;
a separator; and
an alkaline electrolyte.

40. The battery of claim 39, wherein the cathode further comprises a binder.

41. A primary alkaline battery, comprising:
a cathode comprising a cathode active material and carbon, the carbon consisting of carbon fibers;

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Serial No. : 09/658,042
Filed : September 7, 2000
Page : 3

Attorney's Docket No.: 08935-220001 / M-4931

an anode;
a separator; and
an alkaline electrolyte.

42 The battery of claim 41, wherein the cathode includes less than about 5% of
carbon by weight

43. The battery of claim 41, wherein the cathode further comprises a binder.